

In the Claims

Applicant has submitted a new complete claim set indicating marked up claims with insertions indicated by underlining and deletions indicated by strikeouts or double bracketing.

1. (Original) A method for determining regression, progression or onset of cancer, comprising
contacting a biological sample isolated from a patient, who has or is suspected of having the cancer, with a protein or peptide that binds an antibody, wherein the antibody selectively binds a protein or peptide encoded by a nucleic acid molecule selected from the group consisting of SOX2 (SEQ ID NO:3), SOX1 (SEQ ID NO:4), ZIC2 (SEQ ID NO:5), SOX3 (SEQ ID NO:11), and SOX21 (SEQ ID NO:12), and
determining the presence or level of the antibody as an indication of regression, progression or onset of the cancer.
2. (Original) The method of claim 1, wherein the sample is a body fluid, a body effusion or a tissue.
3. (Original) The method of claim 2, wherein the sample is blood or serum.
4. (Original) The method of claim 1, wherein the protein or peptide that binds the antibody is a detectable protein or peptide.
5. (Original) The method of claim 4, wherein the detectable protein or peptide is labeled with a radioactive label or an enzyme.
6. (Withdrawn) The method of claim 1, wherein the nucleic acid molecule is SOX2 (SEQ ID NO:3).

7. (Original) The method of claim 1, wherein the nucleic acid molecule is SOX1 (SEQ ID NO:4).
8. (Original) The method of claim 1, wherein the nucleic acid molecule is ZIC2 (SEQ ID NO:5).
9. (Withdrawn) The method of claim 1, wherein the nucleic acid molecule is SOX3 (SEQ ID NO:11).
10. (Withdrawn) The method of claim 1, wherein the nucleic acid molecule is SOX21 (SEQ ID NO:12).
11. (Original) The method of claim 1, wherein the sample is contacted with a plurality of proteins or peptides that bind antibodies that selectively bind a plurality of proteins or peptides encoded by nucleic acid molecules selected from the group consisting of SOX2 (SEQ ID NO:3), SOX1 (SEQ ID NO:4), ZIC2 (SEQ ID NO:5), SOX3 (SEQ ID NO:11), and SOX21 (SEQ ID NO:12).
12. (Original) The method of claim 11, wherein at least one of the plurality of proteins bound by the antibodies is encoded by ZIC2 (SEQ ID NO:5).
13. (Withdrawn) The method of claim 11, wherein at least two of the plurality of proteins bound by the antibodies are encoded by ZIC2 (SEQ ID NO:5) and SOX3 (SEQ ID NO:11).
14. (Original) The method of claim 1, wherein the cancer is small cell lung cancer.